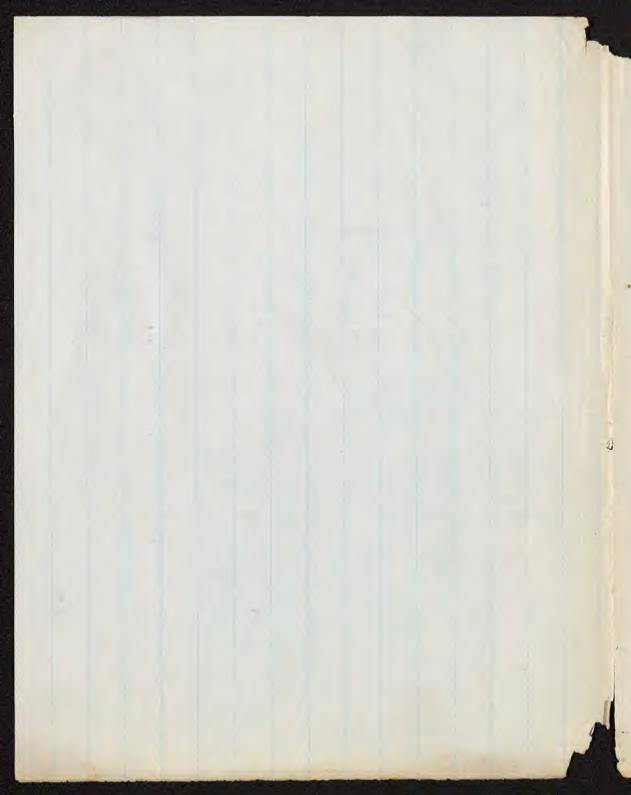
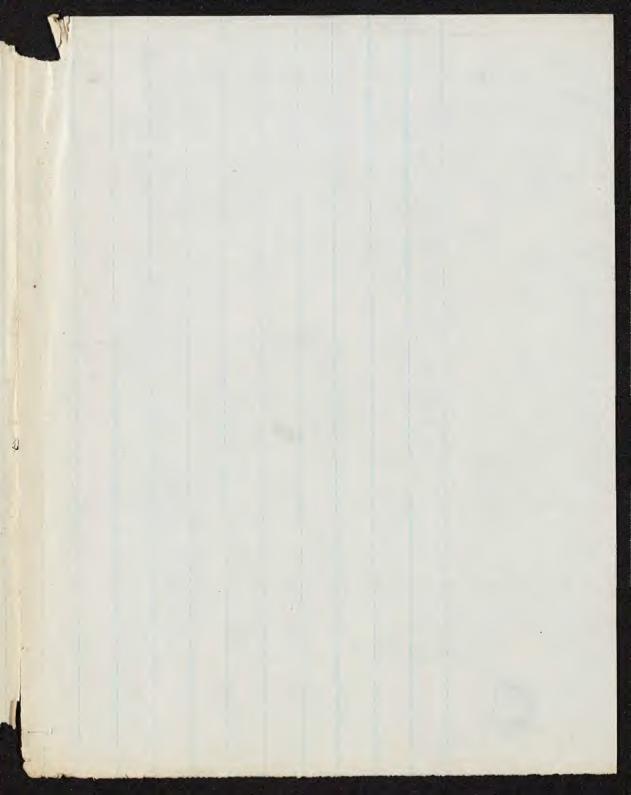
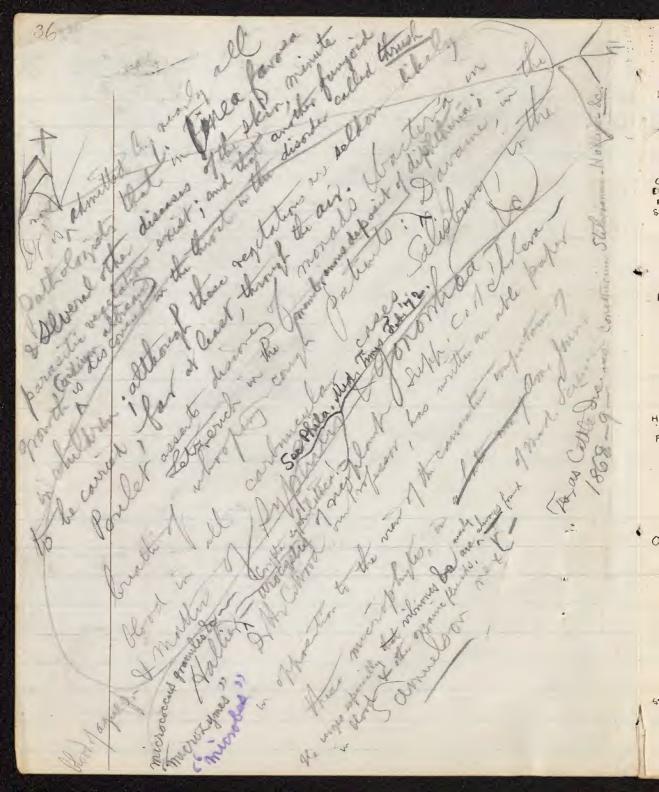


Atmosphere.





in the air Suspended matter is either min-SUSPENDED MATTER. bommon salt is abundant COMMON SALT Other salts are present; also, steel filings, cotton fibres. &c. from manufactories Organic forms also, are metwith. ORGANIC PORMS. The microscope detects germs, ovale. Efwe look at a line of sun-light we will see the innumerable quantity of suspended objects. Tyndall D. D. We breathe and drink and eat millions of living creatures constanty In the blood of the sheep, bacteria are found, suggesting that diseases may perhaps becaused in this way in human beings the Vibriones & also. MITCHELUS Mitchell J. K. Mitchell This theory was renewed by Salisbury of Ohio, There of Show the Salisbury that a fungus growth on damp straw REVIVAL. causes measles. He prefund preventing measles by giving this fungus disease, just like vaccination.



1 Mary to All Long has mented showatter of muches of mother microphyter (syph, gover pr. woodward repeated these experi I ments but could not confirm them The air of rooms, contains definite organic forms: - organic cells, starch corpuscles, epitheboral cells, & PUSS STARCH CORPUSCLES in hospitals, frust cells. - ciscl Pompet to In examining the air we have a clean tube and direct a jet of air flate moistened with on life in the att with it instantly fut un-- phère " see voscope He Living the supposed to be caused by no, 1010, cot. 10 1863 whended in the pir. Samuelson's observa on the need of thorough ale t'a - Japin - mellin in of these infusoria is Timis - Truste - Pen & colon. If an Experience conclusions - 1, atmospher is a warm place for two everywhere changed all repres 45, it will be found to anumalentes sametimes the rent Pence arose the idea of 2. The infusorial comprise not & generation. Icarus Croslie! -tena but also glaciona ex- recorrect: If examined

Delivered to the disease and the second to the disease and the second to Months and Albert day of the state of the st Back of the state 3. The peris about now of the appearance of the second point them the agency the declares his agency the the shorteness the the shorteness the the shorteness that the

A Nept Gras Walder has morning bolastic of much of mother microphyte (sypt, gover Dr. Woodward refrested these experis ments but could not confirm them The air of rooms, contains definite organic forms: - organic cells, starch corpuscles, epithelical cells, & PUSS STARCH CORPUSCLES, in hospitals, frust cells. - Cisel Pompet to In examining the air, we have a clean tube and direct a get of air MICROSCOPICAL on a clean plate moistened with EXAMINATION. glycerin, which is instantly fut under the nicroscope Orysipelas, hospital gangrens, and ERYSIPELAS, HOSPITAL RENE, phthisis are supposed to be caused by these cells suspended in the fire Hence the need of thorough ventilation. Disus The origin of these infusoria is ORIGINOF INFUSORIA or three days, it will be found to contain many more animals than at first. Hence arose the idea of SPONTHINE OUS spontaneous generation. I me l'oui This is incorrect of examined

Disinfectants. Fresh Air, Abundant Water Charcoal, (wood ton, Day Earth, Coultar Nitrate of Lead (Ledoyens), Sulphate of Fron Chlorine: chloride of soda (Labarraques) chloride of lime, chloride of zine (Laborrageses) (Burnetts), Permanganate of Potassa (Condy's), Nitroso-nitrie acid, S, sulphurous acid, Carbolic acid (Ridgewoods McDou-o Lodine, Chloralan. Bromine, Ozone. Heat, and Gold. End of 3d Lecture, 1842

to contain germs are Le Done Joso. how there that every rom another manipulation, RESPIN LOSI. Junel mongo 22 Strom 12

Something provide on - Spirit; 5 for ct. South of the motourt, could got a 30 der of Former oney 5 onthe mithy chemically darken SO3 and decolorizing permanganate of potassom This latter is therefore a good test. In testing, 1 gr. of organic matter is equivalent to 1gr. of Sugar. The odor in a room becomes

Sonne of Paris asserts Successful experiments in veg. Sportan generation jute u tanimile Billet. de l'Acad. Des Sciences - Archen En, Je Mid " Och 1866. afternad recanted, 1868. Paster Denels, shows room: for error, or the manipulations. Ozone. Heat, and Cold. End of 3th Lecture, 1872

the least would be found to contain 2 way that gums are TRUE I against all the le doubte long of THE OR Sport gen approlitation that there on they said that every yments me have to is formed from another I ghis the impossibility Difficulties in manipulation. Jamel manipulation Lecture XVI the air. gas to exclude, at RESPIRA forme stage or other, courses CO2. From 12 all "aeroxos" or 000 often exist; 5 pr. ct. Al ove or spores or spriments. n. 16 fee treations, dere to be do. shalls about 30 grs of r in 24 hours, This mell. It is chemically In par murogenous and forms ammonia, darken 503 and decolorizing per. manganate of potasson This latter is therefore a good test. In testing, 1gr. of organic matter is equivalent to 1gr. of sugar. The odor in a room becomes

Pouchet - by lately asserts Donne continued to Donné has print up, 1868). water un to I rolling of fruit to micro - Scoper fromgi - while recarted, 1868. also may effect lemes & dens with decay, how noon: pulations. Ozone, Heat, and Gold. End of 3th Letture, 1842

the least would be found to contain ova will now way that gums are necessary for generation goods domited. Wyman still doubts it? but there were right- when they said that every living being is formed from another living being Difficulties in manipulation. End 3 decture, 1872 Lecture XVI We will still consider the sources of impurities in the air. Respiration causes GO2. From 12 to 70 pts, in 10,000 pten exist; 5 pr. ct. is fatal to man. It beretical and to be so. ADULT An adult sichales about 30 grs of organic matter in 24 hours, This has a felid smell. It is chemically mitrogenous and forms ammonia darken 503 and decolorizing permanganate of potasson This latter TEST. is therefore a good test. In testing, 1 gr. of organic matter is equivalent to 1gr. of sugar. The odor in a room becomes

De angus Smith estimated the arount of organic matter in price and at 1 gr. in 200,000 cub. fr. ha house 1 gr, in 16000 \$ 64000 c. fr h close puted s. r. car, 1 grin Sove for to house with some and is it, same, Decoloraes permany potens - Voorken So3 dram through N. [and 24th Lecture, 1871.] #ochlesis

strong when & Reader 1 pt. in Contamination of the air when long continued causes disease Typhus fever is thus caused; though Some say it is caused by a special contagion. It occurs in camps, ships, and jails. The doubts are of recent origin.
Typhus is produced by foulain in colder regions, their winds of TYPHUS FEVER phoid. In Great Britain & Freland at is very common where poverty low temperature, bad air se abount. ITS CAUSE. I caused by the concentration of emanations from human beings. After it is once produced, it is contagious. Onewho has it, has the poisoning power of a crowd of healthy fren-Sons. In 1577, there were 500 typhus! HISTORICAL - CASES. deaths in England, In 1750, four Judges, and others, in all, about 40,

A M. I & Brokelyn 1872, Spotterform, So accounts for - 4 chitar sy or out of my. Solar anasted on Blackmell's Island N. Y. 1866, by Delamillar ser Louis Lucks, by homes the mon out & ventilating thought from intelestants his in closes hats with manus flow.

died from the air of the court rooms, of the periodical assizes, to t has been doubted whether d is caused by TYPHOID. this country in Climates. Through is not STAGES has in its causation. sonal element, perhap as in phthitis Maires some exerting cause as absence from promotes it. Foul air lends OF FOUNTT. demics & epidemess foundline are wisely resolved for the period of to come, to decline all applications for on of strange children into their institu-BY chardson RICHARDSON. AMDEN ITEMS. in which MASONIC. MASONIC.

ving Masonic lodges have elected their he ensuing year:—Camden Lodge, No. Hardacre, W. M.; Allen M. Powell, S. W. B. Frazee, J. W.; James H. Stevens, ames M. Cassady, secretary. Trimble 17—George F. Fort, W. M.; M. B. Taylor, J. G. Milligan, secretary. Siloam H. R.; No. 19—Henry U. Homes, High Priest, rdacre, King; N. F. Cowan, Scribe; Nroth, treasurer; George Shattnek, sec-The rest of GRAND JURORS. nying gentlemen have been selected by wing gentlemen have been selected by dericks as grand jurors for the January he Camden county courts:—Casper P. Robert C. Cook, Joseph J. Read, Chas. David Hutton, James Elwell, Isaac Armstrong Lapp, Joseph Sharp, John diod.

N. 7. 1866, by Dollar llar Blackmall's Island turning the main out It appears to be gradually becoming certain that the Frince and Lord Chesterfield were attacked by the fever during the visit to Lord Londesborough. It appears hat the Frince slept in a room into which a cleset opens, and the closet communicates with a cesspool ten feet below which has not been cleansed for six years, and this very room was occupied by Lord Chesterfield after the Prince's departure. There is also evidence that there was a back draff of sewer gas up the sewers, and the Lancet be lieves that the air of Londesborough Lodge, which was at the time excessively crowded both with guests and servants, was "really tainted". As the male guests usually retired to rest fatigued with a long day's sport they were just in the condition to imbibe the poison, the smell of necessity have been perceived in a house "perraded". see hit will manure which, and the processional potrant, would not of necessity have been perceived in a house "pervaded by odors of a more agreeable kind," that is, we suppose, by the smell of tolacos smoke. The facts are, of course, most annoying for Lord Londesborough; but he did all he could to insure the salubity of his house, and is not to be blamed because the plumbers were settled for the because the plumbers. were, as usual, not to be trusted for anything except their charges. If we could hang one of them for murdering a Prince the world would be an improved place to live ip.

died from the air of the court rooms, of the periodical assises, to I It has been doubted whether to TYPHOID. Through is caused by foul gir. som this country we have if in all climates, at all times. Typhoid is not coxtagious. It has in its causation, a her sonal element, perhaps heredilar as in prithisis It requires some execting cause as absence from home. Fort air promotes it were milion of Founding hospitals. In sond in founding hospitals. In MEN 10NED RICHARDSON. Richardson mentions a family in which one died of scarlet fever. The rest of the children were kept from the house for a good while after (3 weeks when one returned. He died likewise, The house was case thoroughly cleaned out and

putrement matter imported outs portro an arium Marsoniamy brown to the really of at St. Ballularound Substitute, come l'is han brushes Setting and state representantle boug all cases.

question structured for cloud for the whitewashed Another selectioned & ded. It samed as if no cleaning would prevent it. The reason was that it was one low ground larcely. PARIFOSPITAL on as hospital in Faris, howind four department, three of them had erypipelas and one had not. It was better ventilated than pulmonary completions: phthisis, bronchitas, prieumonia, prevail in foul air specially. PATHISIS. Phthisis was so frequent in the Tontish navy, that the subject was investigated and it was attributed to over-crowding: same many, banades. Hells may has and cause it EXHALATIONS The exhalations from sick are worse than from the well, This congregate more in an hospital around a dying man him down. the bad health of certain posions of a city but of philips water strain for more than the spector water sure SEWAGE

and of the state of 8 is I know of a case where scarler fere occurs in some of the montes of a bouse, from which one of the children was about & escapes the drawer. These child did not return to the Rouse for a year. At the attacked with searles fever & died of it.

It is sometimes impossible to get MEFICULTY REMOVING SMELLS nid of emanations from sick. They are absorbed by the bedding Dr. Hammond stays that a con tain hospital having gangrene, was cleaned, but in vain! the turned as soon as more patients came; till the Wortstal was form down exhaut. Harlow says that ventilation VENTILATION and sunskine, remove diseases. In the Obstetric department of PENNA HOSPITAL the Fenna. Hospital, puereral fe-12 1540 ver was prevalent and could not 2 -50 be removed to him up - north rough the Hux Organic matter is also led by water, wool, feathers, how walls ab-Straw, horse-hair & hard walls, ab-ABSORBTION ORGANIC TER. sors it least. Painting is good, if there are PAINTING no cracks. Of Dr. Hammond tested an emply room, which had contained sick men and afterwards ventilated,

Barrack Hospitaly! Began to we my original notes arthoplace.

and he found undoubted evidence that organic matter still remained. Industry with a shirt with a WALL-PAPER. Mal aper absorbs organic matter. Repapering, without taking off the old paper, is very unshealthis. Calcimining is very good. CALCIMINING. Parian cement and several li-PARIAN CEMENT. guid stone preparations are now used. Some right to unpermeable walls. From 36 to 46 per cent of organic matter shas been found in and hospital ward, by challent, a Paris. OPTHALMIA. Among diseases conveyed by Combustion injures the air. solid carbon is thrown into it. (for of coal) In London, the fogs are so thick that a person can not see a few feet ahead. Co is rapidly diffused, so that not much difference can be observed between cities and the country.

A One cutic foot of gas in burning will continue the owner of Ecubic feet of air, Carbonic oxide, and bishfile of carbon; both of which make & more poisonous. Hammor says the good gas burner will grodesce as much CO2 as - & men in breath, the Same length of time Leads (Let. or Wentela) states the spoiling of air, by tonsimption of O & increase of CO2, by one burners = that of 11 men. Cameron puts it = Hat 13 men! But he culculates only

Other products of combustion are sulphurous acid, Carbonic onide, sulphuretted hydrogen, &c. One pound of coal requires 200 cub. feet of air. A lamp requires 3 cub. ft. per hour, Burning-gas also requires are amount of air AMOUNT OF REQUIRED FOR BUSTION. Reople often get head ache from stoppage of circulation of air, The very worst contamina-SEWER tion A of air, is sewer gas The London servers give off from one to one & a half cubic inches of gas per hour, Rapid asphysia is often caused. There was a died, who had asphysica from the opening of a privy Ism me was sever gas consists of carbone acid, sulphuretted hydrogen, carbo-ammoniaeal gases. &c. Sever men are said to be li alle to typhus, & opthalmia. Sever openings near houses,

52 Price of Wales case, typhind few, nov. 1871 or Scotomush Lowerborough Lodge)-water closer in his noon commun. with bast drawed National Notel applicance at Washington, 1856. Low site. longof sens ser into heater and chamber - continued in of six I water of the hetel, Some diankon - we few restaures fatal - in several chronice substitute. Duscetting room disched. Typhord fever in Philada (See Dr. B. Lees report) most destructive where water & are are how by servere; | Kenenghow Richmond non Delawice - See | Sever mer: See med. News Ship End 15th Section 1869